

Jianbo Shen

List of Publications by Year in descending order

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Version: 2024-02-01

139
papers

11,695
citations

25014

57
h-index

30894

102
g-index

144
all docs

144
docs citations

144
times ranked

9445
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphorus Dynamics: From Soil to Plant. <i>Plant Physiology</i> , 2011, 156, 997-1005.	2.3	1,127
2	Improving intercropping: a synthesis of research in agronomy, plant physiology and ecology. <i>New Phytologist</i> , 2015, 206, 107-117.	3.5	805
3	Improving crop productivity and resource use efficiency to ensure food security and environmental quality in China. <i>Journal of Experimental Botany</i> , 2012, 63, 13-24.	2.4	465
4	Closing yield gaps in China by empowering smallholder farmers. <i>Nature</i> , 2016, 537, 671-674.	13.7	417
5	P for Two, Sharing a Scarce Resource: Soil Phosphorus Acquisition in the Rhizosphere of Intercropped Species. <i>Plant Physiology</i> , 2011, 156, 1078-1086.	2.3	323
6	Long-term accumulation and transport of anthropogenic phosphorus in three river basins. <i>Nature Geoscience</i> , 2016, 9, 353-356.	5.4	282
7	The critical soil P levels for crop yield, soil fertility and environmental safety in different soil types. <i>Plant and Soil</i> , 2013, 372, 27-37.	1.8	272
8	Acquisition or utilization, which is more critical for enhancing phosphorus efficiency in modern crops?. <i>Plant Science</i> , 2010, 179, 302-306.	1.7	257
9	Integrated Nutrient Management for Food Security and Environmental Quality in China. <i>Advances in Agronomy</i> , 2012, , 1-40.	2.4	253
10	Integrated soil and plant phosphorus management for crop and environment in China. A review. <i>Plant and Soil</i> , 2011, 349, 157-167.	1.8	248
11	Maximizing root/rhizosphere efficiency to improve crop productivity and nutrient use efficiency in intensive agriculture of China. <i>Journal of Experimental Botany</i> , 2013, 64, 1181-1192.	2.4	245
12	Tradeoffs among root morphology, exudation and mycorrhizal symbioses for phosphorus acquisition strategies of 16 crop species. <i>New Phytologist</i> , 2019, 223, 882-895.	3.5	235
13	Integrating legacy soil phosphorus into sustainable nutrient management strategies for future food, bioenergy and water security. <i>Nutrient Cycling in Agroecosystems</i> , 2016, 104, 393-412.	1.1	199
14	Localized application of phosphorus and ammonium improves growth of maize seedlings by stimulating root proliferation and rhizosphere acidification. <i>Field Crops Research</i> , 2010, 119, 355-364.	2.3	187
15	Crop yields, soil fertility and phosphorus fractions in response to long-term fertilization under the rice monoculture system on a calcareous soil. <i>Field Crops Research</i> , 2004, 86, 225-238.	2.3	186
16	Rhizosphere Processes and Management for Improving Nutrient Use Efficiency and Crop Productivity. <i>Advances in Agronomy</i> , 2010, , 1-32.	2.4	181
17	Sustainable Phosphorus Management and the Need for a Long-Term Perspective: The Legacy Hypothesis. <i>Environmental Science & Technology</i> , 2014, 48, 8417-8419.	4.6	161
18	Increased soil phosphorus availability induced by faba bean root exudation stimulates root growth and phosphorus uptake in neighbouring maize. <i>New Phytologist</i> , 2016, 209, 823-831.	3.5	159

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19	Nitric oxide is involved in phosphorus deficiency-induced cluster root development and citrate exudation in white lupin. <i>New Phytologist</i> , 2010, 187, 1112-1123.	3.5	147
20	Past, present, and future use of phosphorus in Chinese agriculture and its influence on phosphorus losses. <i>Ambio</i> , 2015, 44, 274-285.	2.8	147
21	Major Crop Species Show Differential Balance between Root Morphological and Physiological Responses to Variable Phosphorus Supply. <i>Frontiers in Plant Science</i> , 2016, 7, 1939.	1.7	143
22	Linking root exudation to belowground economic traits for resource acquisition. <i>New Phytologist</i> , 2022, 233, 1620-1635.	3.5	129
23	How do roots elongate in a structured soil?. <i>Journal of Experimental Botany</i> , 2013, 64, 4761-4777.	2.4	126
24	Dynamics of phosphorus fractions in the rhizosphere of common bean (<i>Phaseolus vulgaris</i> L.) and durum wheat (<i>Triticum turgidum durum</i> L.) grown in monocropping and intercropping systems. <i>Plant and Soil</i> , 2008, 312, 139-150.	1.8	121
25	Phosphorus uptake and rhizosphere properties of intercropped and monocropped maize, faba bean, and white lupin in acidic soil. <i>Biology and Fertility of Soils</i> , 2010, 46, 79-91.	2.3	121
26	Nutrient uptake, cluster root formation and exudation of protons and citrate in <i>Lupinus albus</i> as affected by localized supply of phosphorus in a split-root system. <i>Plant Science</i> , 2005, 168, 837-845.	1.7	120
27	Deep roots and soil structure. <i>Plant, Cell and Environment</i> , 2016, 39, 1662-1668.	2.8	115
28	Model-Based Analysis of the Long-Term Effects of Fertilization Management on Cropland Soil Acidification. <i>Environmental Science & Technology</i> , 2017, 51, 3843-3851.	4.6	115
29	An overview of the use of plastic-film mulching in China to increase crop yield and water-use efficiency. <i>National Science Review</i> , 2020, 7, 1523-1526.	4.6	112
30	Grain production versus resource and environmental costs: towards increasing sustainability of nutrient use in China. <i>Journal of Experimental Botany</i> , 2016, 67, 4935-4949.	2.4	111
31	Localized fertilization with P plus N elicits an ammonium-dependent enhancement of maize root growth and nutrient uptake. <i>Field Crops Research</i> , 2012, 133, 176-185.	2.3	110
32	Carbon footprint of grain production in China. <i>Scientific Reports</i> , 2017, 7, 4126.	1.6	104
33	An overview of rhizosphere processes related with plant nutrition in major cropping systems in China. <i>Plant and Soil</i> , 2004, 260, 89-99.	1.8	102
34	Root morphological responses to localized nutrient supply differ among crop species with contrasting root traits. <i>Plant and Soil</i> , 2014, 376, 151-163.	1.8	101
35	Transforming agriculture in China: From solely high yield to both high yield and high resource use efficiency. <i>Global Food Security</i> , 2013, 2, 1-8.	4.0	100
36	Role of phosphorus nutrition in development of cluster roots and release of carboxylates in soil-grown <i>Lupinus albus</i> . <i>Plant and Soil</i> , 2003, 248, 199-206.	1.8	95

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37	Combined Applications of Nitrogen and Phosphorus Fertilizers with Manure Increase Maize Yield and Nutrient Uptake via Stimulating Root Growth in a Long-Term Experiment. <i>Pedosphere</i> , 2016, 26, 62-73.	2.1	93
38	Maize responds to low shoot P concentration by altering root morphology rather than increasing root exudation. <i>Plant and Soil</i> , 2017, 416, 377-389.	1.8	90
39	Shaping an Optimal Soil by Root-Soil Interaction. <i>Trends in Plant Science</i> , 2017, 22, 823-829.	4.3	87
40	Modeling soil acidification in typical Chinese cropping systems. <i>Science of the Total Environment</i> , 2018, 613-614, 1339-1348.	3.9	86
41	Bundling innovations to transform agri-food systems. <i>Nature Sustainability</i> , 2020, 3, 974-976.	11.5	85
42	Enhanced acidification in Chinese croplands as derived from element budgets in the period 1980-2010. <i>Science of the Total Environment</i> , 2018, 618, 1497-1505.	3.9	82
43	Daily rhythms of phyto melatonin signaling modulate diurnal stomatal closure via regulating reactive oxygen species dynamics in <i>Arabidopsis</i> . <i>Journal of Pineal Research</i> , 2020, 68, e12640.	3.4	81
44	White Lupin Cluster Root Acclimation to Phosphorus Deficiency and Root Hair Development Involve Unique Glycerophosphodiester Phosphodiesterases. <i>Plant Physiology</i> , 2011, 156, 1131-1148.	2.3	77
45	Localized application of NH ₄ ⁺ -N plus P at the seedling and later growth stages enhances nutrient uptake and maize yield by inducing lateral root proliferation. <i>Plant and Soil</i> , 2013, 372, 65-80.	1.8	76
46	The regulatory network of cluster-root function and development in phosphate-deficient white lupin (<i>Lupinus albus</i>) identified by transcriptome sequencing. <i>Physiologia Plantarum</i> , 2014, 151, 323-338.	2.6	76
47	A simple assessment on spatial variability of rice yield and selected soil chemical properties of paddy fields in South China. <i>Geoderma</i> , 2014, 235-236, 39-47.	2.3	76
48	An analysis of China's grain production: looking back and looking forward. <i>Food and Energy Security</i> , 2014, 3, 19-32.	2.0	75
49	Soil quality assessment of yellow clayey paddy soils with different productivity. <i>Biology and Fertility of Soils</i> , 2014, 50, 537-548.	2.3	73
50	Citrate exudation from white lupin induced by phosphorus deficiency differs from that induced by aluminum. <i>New Phytologist</i> , 2007, 176, 581-589.	3.5	72
51	Impacts of nitrogen fertilizer type and application rate on soil acidification rate under a wheat-maize double cropping system. <i>Journal of Environmental Management</i> , 2020, 270, 110888.	3.8	71
52	Agriculture Green Development: a model for China and the world. <i>Frontiers of Agricultural Science and Engineering</i> , 2020, 7, 5.	0.9	71
53	Update on White Lupin Cluster Root Acclimation to Phosphorus Deficiency Update on Lupin Cluster Roots. <i>Plant Physiology</i> , 2011, 156, 1025-1032.	2.3	69
54	The contribution of atmospheric deposition and forest harvesting to forest soil acidification in China since 1980. <i>Atmospheric Environment</i> , 2016, 146, 215-222.	1.9	67

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55	Neighbouring plants modify maize root foraging for phosphorus: coupling nutrients and neighbours for improved nutrient efficiency. <i>New Phytologist</i> , 2020, 226, 244-253.	3.5	66
56	Interactions between light intensity and phosphorus nutrition affect the phosphate-mining capacity of white lupin (<i>Lupinus albus</i> L.). <i>Journal of Experimental Botany</i> , 2014, 65, 2995-3003.	2.4	63
57	Soil quality assessment of Albic soils with different productivities for eastern China. <i>Soil and Tillage Research</i> , 2014, 140, 74-81.	2.6	62
58	A shape-based method for automatic and rapid segmentation of roots in soil from X-ray computed tomography images: Rootine. <i>Plant and Soil</i> , 2019, 441, 643-655.	1.8	62
59	Cropland acidification increases risk of yield losses and food insecurity in China. <i>Environmental Pollution</i> , 2020, 256, 113145.	3.7	62
60	Quantification of the contribution of nitrogen fertilization and crop harvesting to soil acidification in a wheat-maize double cropping system. <i>Plant and Soil</i> , 2019, 434, 167-184.	1.8	58
61	Auxin transport in maize roots in response to localized nitrate supply. <i>Annals of Botany</i> , 2010, 106, 1019-1026.	1.4	57
62	Sustainable Cropping Requires Adaptation to a Heterogeneous Rhizosphere. <i>Trends in Plant Science</i> , 2020, 25, 1194-1202.	4.3	56
63	Shift from complementarity to facilitation on P uptake by intercropped wheat neighboring with faba bean when available soil P is depleted. <i>Scientific Reports</i> , 2016, 6, 18663.	1.6	55
64	Intercropping legumes and cereals increases phosphorus use efficiency; a meta-analysis. <i>Plant and Soil</i> , 2021, 460, 89-104.	1.8	55
65	Characterization of Phosphorus in Animal Manures Collected from Three (Dairy, Swine, and Broiler) Farms in China. <i>PLoS ONE</i> , 2014, 9, e102698.	1.1	55
66	Swine manure valorization for phosphorus and nitrogen recovery by catalytic thermal hydrolysis and struvite crystallization. <i>Science of the Total Environment</i> , 2020, 729, 138999.	3.9	53
67	Is there a critical level of shoot phosphorus concentration for cluster-root formation in <i>Lupinus albus</i> ?. <i>Functional Plant Biology</i> , 2008, 35, 328.	1.1	47
68	Contribution of Root Proliferation in Nutrient-Rich Soil Patches to Nutrient Uptake and Growth of Maize. <i>Pedosphere</i> , 2012, 22, 776-784.	2.1	45
69	Rhizosphere properties in monocropping and intercropping systems between faba bean (<i>Vicia faba</i> L.) and maize (<i>Zea mays</i> L.) grown in a calcareous soil. <i>Crop and Pasture Science</i> , 2013, 64, 976.	0.7	44
70	Agri-environment policy for grain production in China: toward sustainable intensification. <i>China Agricultural Economic Review</i> , 2018, 10, 78-92.	1.8	44
71	Management Strategies to Optimize Soil Phosphorus Utilization and Alleviate Environmental Risk in China. <i>Journal of Environmental Quality</i> , 2019, 48, 1167-1175.	1.0	42
72	Wheat root growth responses to horizontal stratification of fertiliser in a water-limited environment. <i>Plant and Soil</i> , 2015, 386, 77-88.	1.8	41

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73	Soil Quality Assessment of Acid Sulfate Paddy Soils with Different Productivities in Guangdong Province, China. <i>Journal of Integrative Agriculture</i> , 2014, 13, 177-186.	1.7	40
74	The responses of root morphology and phosphorus-mobilizing exudations in wheat to increasing shoot phosphorus concentration. <i>AoB PLANTS</i> , 2018, 10, ply054.	1.2	40
75	Effect of localised phosphorus application on root growth and soil nutrient dynamics in situ – comparison of maize (<i>Zea mays</i>) and faba bean (<i>Vicia faba</i>) at the seedling stage. <i>Plant and Soil</i> , 2019, 441, 469-483.	1.8	36
76	Impact of nitrogen form on iron uptake and distribution in maize seedlings in solution culture. <i>Plant and Soil</i> , 2001, 235, 143-149.	1.8	35
77	Formation of cluster roots and citrate exudation by <i>Lupinus albus</i> in response to localized application of different phosphorus sources. <i>Plant Science</i> , 2007, 172, 1017-1024.	1.7	35
78	Contrasting patterns in biomass allocation, root morphology and mycorrhizal symbiosis for phosphorus acquisition among 20 chickpea genotypes with different amounts of rhizosheath carboxylates. <i>Functional Ecology</i> , 2020, 34, 1311-1324.	1.7	35
79	Spatial distribution and expression of intracellular and extracellular acid phosphatases of cluster roots at different developmental stages in white lupin. <i>Journal of Plant Physiology</i> , 2013, 170, 1243-1250.	1.6	33
80	The effect of impedance to root growth on plant architecture in wheat. <i>Plant and Soil</i> , 2015, 392, 323-332.	1.8	33
81	Localized application of NH ₄ ⁺ -N plus P enhances zinc and iron accumulation in maize via modifying root traits and rhizosphere processes. <i>Field Crops Research</i> , 2014, 164, 107-116.	2.3	32
82	Competition between <i>Zea mays</i> genotypes with different root morphological and physiological traits is dependent on phosphorus forms and supply patterns. <i>Plant and Soil</i> , 2019, 434, 125-137.	1.8	32
83	GENOTYPIC DIFFERENCE IN SEED IRON CONTENT AND EARLY RESPONSES TO IRON DEFICIENCY IN WHEAT. <i>Journal of Plant Nutrition</i> , 2002, 25, 1631-1643.	0.9	30
84	Localized application of soil organic matter shifts distribution of cluster roots of white lupin in the soil profile due to localized release of phosphorus. <i>Annals of Botany</i> , 2010, 105, 585-593.	1.4	30
85	Guiding phosphorus stewardship for multiple ecosystem services. <i>Ecosystem Health and Sustainability</i> , 2016, 2, .	1.5	30
86	Positive feedback between acidification and organic phosphate mineralization in the rhizosphere of maize (<i>Zea mays</i> L.). <i>Plant and Soil</i> , 2011, 349, 13-24.	1.8	28
87	Cluster-root formation, carboxylate exudation and proton release of <i>Lupinus pilosus</i> Murr. as affected by medium pH and P deficiency. <i>Plant and Soil</i> , 2006, 287, 247-256.	1.8	27
88	Growth Medium and Phosphorus Supply Affect Cluster Root Formation and Citrate Exudation by <i>Lupinus albus</i> Grown in a Sand/Solution Split-Root System. <i>Plant and Soil</i> , 2005, 276, 85-94.	1.8	26
89	Comparing localized application of different N fertilizer species on maize grain yield and agronomic N-use efficiency on a calcareous soil. <i>Field Crops Research</i> , 2015, 180, 72-79.	2.3	26
90	The niche complementarity driven by rhizosphere interactions enhances phosphorus-use efficiency in maize/alfalfa mixture. <i>Food and Energy Security</i> , 2020, 9, e252.	2.0	26

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91	Morphological responses of wheat (<i>Triticum aestivum</i> L.) roots to phosphorus supply in two contrasting soils. <i>Journal of Agricultural Science</i> , 2016, 154, 98-108.	0.6	25
92	Heterogeneous phosphate supply influences maize lateral root proliferation by regulating auxin redistribution. <i>Annals of Botany</i> , 2020, 125, 119-130.	1.4	24
93	The Dynamic Process of Interspecific Interactions of Competitive Nitrogen Capture between Intercropped Wheat (<i>Triticum aestivum</i> L.) and Faba Bean (<i>Vicia faba</i> L.). <i>PLoS ONE</i> , 2014, 9, e115804.	1.1	23
94	Hormonal interactions during cluster-root development in phosphate-deficient white lupin (<i>Lupinus</i> Tj ETQq0 0 0 ggBT /Overlock 10 Tf	1.6	23
95	Quantifying drivers of soil acidification in three Chinese cropping systems. <i>Soil and Tillage Research</i> , 2022, 215, 105230.	2.6	23
96	Banding phosphorus and ammonium enhances nutrient uptake by maize via modifying root spatial distribution. <i>Crop and Pasture Science</i> , 2013, 64, 965.	0.7	22
97	Root competition resulting from spatial variation in nutrient distribution elicits decreasing maize yield at high planting density. <i>Plant and Soil</i> , 2019, 439, 219-232.	1.8	22
98	In-situ sampling of small volumes of soil solution using modified micro-suction cups. <i>Plant and Soil</i> , 2007, 292, 161-169.	1.8	21
99	Root Morphology, Proton Release, and Carboxylate Exudation in Lupin in Response to Phosphorus Deficiency. <i>Journal of Plant Nutrition</i> , 2008, 31, 557-570.	0.9	21
100	Root over-production in heterogeneous nutrient environment has no negative effects on Zea mays shoot growth in the field. <i>Plant and Soil</i> , 2016, 409, 405-417.	1.8	21
101	Increasing the agricultural, environmental and economic benefits of farming based on suitable crop rotations and optimum fertilizer applications. <i>Field Crops Research</i> , 2019, 240, 78-85.	2.3	21
102	Cluster Root Formation by <i>Lupinus Albus</i> Modified by Stratified Application of Phosphorus in a Split-Root System. <i>Journal of Plant Nutrition</i> , 2007, 30, 271-288.	0.9	20
103	Synergistic interactions between <i>Glomus mosseae</i> and <i>Bradyrhizobium japonicum</i> in enhancing proton release from nodules and hyphae. <i>Mycorrhiza</i> , 2012, 22, 51-58.	1.3	19
104	A reassessment of sucrose signaling involved in cluster-root formation and function in phosphate-deficient white lupin (<i>Lupinus albus</i>). <i>Physiologia Plantarum</i> , 2015, 154, 407-419.	2.6	19
105	Dynamics of phosphorus fractions in the rhizosphere of fababean (<i>Vicia faba</i> L.) and maize (<i>Zea mays</i> L.) grown in calcareous and acid soils. <i>Crop and Pasture Science</i> , 2015, 66, 1151.	0.7	17
106	COVID-19 pandemic lessons for agri-food systems innovation. <i>Environmental Research Letters</i> , 2021, 16, 101001.	2.2	17
107	Interactive effects of phosphorus deficiency and exogenous auxin on root morphological and physiological traits in white lupin (<i>Lupinus albus</i> L.). <i>Science China Life Sciences</i> , 2013, 56, 313-323.	2.3	16
108	Root/Rhizosphere Management for Improving Phosphorus Use Efficiency and Crop Productivity. , 2019, 103, 36-39.		16

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109	Harnessing root-foraging capacity to improve nutrient-use efficiency for sustainable maize production. <i>Field Crops Research</i> , 2022, 279, 108462.	2.3	15
110	Title is missing!. <i>Nutrient Cycling in Agroecosystems</i> , 2003, 65, 243-251.	1.1	14
111	Heterogeneous nutrient supply promotes maize growth and phosphorus acquisition: additive and compensatory effects of lateral roots and root hairs. <i>Annals of Botany</i> , 2021, 128, 431-440.	1.4	14
112	Innovations of phosphorus sustainability: implications for the whole chain. <i>Frontiers of Agricultural Science and Engineering</i> , 2019, 6, 321.	0.9	14
113	Nitrous oxide and methane emissions from paddy soils in southwest China. <i>Geoderma Regional</i> , 2017, 8, 1-11.	0.9	13
114	Identification of two glycerophosphodiester phosphodiesterase genes in maize leaf phosphorus remobilization. <i>Crop Journal</i> , 2021, 9, 95-108.	2.3	12
115	Deep banding of phosphorus and nitrogen enhances <i>Rosa multiflora</i> growth and nutrient accumulation by improving root spatial distribution. <i>Scientia Horticulturae</i> , 2021, 277, 109800.	1.7	11
116	In addition to foliar manganese concentration, both iron and zinc provide proxies for rhizosheath carboxylates in chickpea under low phosphorus supply. <i>Plant and Soil</i> , 2021, 465, 31-46.	1.8	10
117	Sustainable Resource Use in Enhancing Agricultural Development in China. <i>Engineering</i> , 2018, 4, 588-589.	3.2	9
118	Increased planting density of Chinese milk vetch (<i>Astragalus sinicus</i>) weakens phosphorus uptake advantage by rapeseed (<i>Brassica napus</i>) in a mixed cropping system. <i>AoB PLANTS</i> , 2019, 11, plz033.	1.2	9
119	Wheat growth responses to soil mechanical impedance are dependent on phosphorus supply. <i>Soil and Tillage Research</i> , 2021, 205, 104754.	2.6	9
120	Reducing the environmental footprint of food and farming with Agriculture Green Development. <i>Frontiers of Agricultural Science and Engineering</i> , 2020, 7, 1.	0.9	9
121	Flavonoids are involved in phosphorus-deficiency-induced cluster-root formation in white lupin. <i>Annals of Botany</i> , 2022, 129, 101-112.	1.4	9
122	Stomatal and growth responses to hydraulic and chemical changes induced by progressive soil drying. <i>Journal of Experimental Botany</i> , 2017, 68, 5883-5894.	2.4	8
123	Rhizosphere bacteria containing ACC deaminase decrease root ethylene emission and improve maize root growth with localized nutrient supply. <i>Food and Energy Security</i> , 2021, 10, 275-284.	2.0	7
124	Rhizosphere Processes and Nutrient Management for Improving Nutrient-use Efficiency in Macadamia Production. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2019, 54, 603-608.	0.5	7
125	Effects of N fertilizer on root growth in <i>Zea mays</i> L. seedlings. <i>Spanish Journal of Agricultural Research</i> , 2008, 6, 677.	0.3	7
126	Localized nutrient supply can facilitate root proliferation and increase nitrogen-use efficiency in compacted soil. <i>Soil and Tillage Research</i> , 2022, 215, 105198.	2.6	7

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127	Ensuring future food security and resource sustainability: insights into the rhizosphere. <i>IScience</i> , 2022, 25, 104168.	1.9	7
128	Leaf Phosphorus Concentration Regulates the Development of Cluster Roots and Exudation of Carboxylates in <i>Macadamia integrifolia</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 610591.	1.7	6
129	Model-based analysis of phosphorus flows in the food chain at county level in China and options for reducing the losses towards green development. <i>Environmental Pollution</i> , 2021, 288, 117768.	3.7	6
130	Effects of nitrogen fertilization on heavy metal content of corn grains. <i>Phyton</i> , 2009, 78, 101-104.	0.4	6
131	Development of a Novel Model of Soil Legacy P Assessment for Calcareous and Acidic Soils. <i>Frontiers in Environmental Science</i> , 2021, 8, .	1.5	5
132	Estimation of the P Fertilizer Demand of China Using the LePA Model. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	5
133	Spatiotemporal Pattern of Acid Phosphatase Activity in Soils Cultivated With Maize Sensing to Phosphorus-Rich Patches. <i>Frontiers in Plant Science</i> , 2021, 12, 650436.	1.7	4
134	TRANSFORMATION OF AGRICULTURE ON THE LOESS PLATEAU OF CHINA TOWARD GREEN DEVELOPMENT. <i>Frontiers of Agricultural Science and Engineering</i> , 2021, 8, 491.	0.9	4
135	Yield and the 15 N Fate in Rice/Maize Season in the Yangtze River Basin. <i>Agronomy Journal</i> , 2019, 111, 517-527.	0.9	3
136	Dynamic growth pattern and exploitation of soil residual P by <i>Brassica campestris</i> throughout growth cycle on a calcareous soil. <i>Field Crops Research</i> , 2015, 180, 110-117.	2.3	2
137	Exploring solutions for sustainable agriculture with “green” and “development” tags in Africa. <i>Frontiers of Agricultural Science and Engineering</i> , 2020, 7, 363.	0.9	2
138	A potential solution for food security in Kenya: implications of the Quzhou model in China. <i>Frontiers of Agricultural Science and Engineering</i> , 2020, 7, 406.	0.9	2
139	Building the new international science of the agriculture–food–water–environment nexus in china and the world. <i>Ecosystem Health and Sustainability</i> , 2016, 2, .	1.5	1